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HB
4/14/02
PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.: 105557

Applicant: Thomas E. Mallouk et al.

Examiner: Unknown

Group Art Unit:

Title: METHOD OF SCREENING COMPOSITIONS FOR ELECTROCATALYTIC ACTIVITY IN A GAS
DIFFUSION ELECTRODE

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

IN THE CLAIMS:

Please amend Claims 1, 3, 13, 17 and 25.

1. 1. (Amended) A combinatorial screening apparatus comprising:
- a) a cell body containing a fluid inlet;
 - b) a fluid permeable, conductive, catalyst array support positioned adjacent to the cell body, said catalyst array support having multiple locations for supporting solids;
 - c) a catalyst mask positioned adjacent to the catalyst array support, said catalyst mask defining holes arranged in alignment with the multiple locations for supporting solids of the catalyst array support; and
 - d) a cell cover positioned adjacent to the catalyst array support, said cell cover defining an opening for monitoring of the solids.
- A2 3. (Amended) The apparatus of Claim 1 further comprising a diffuser positioned between the catalyst array support and fluid inlet of the cell body.
- A3 13. (Amended) A combinatorial screening apparatus comprising:
- a) a catalyst array support backing;